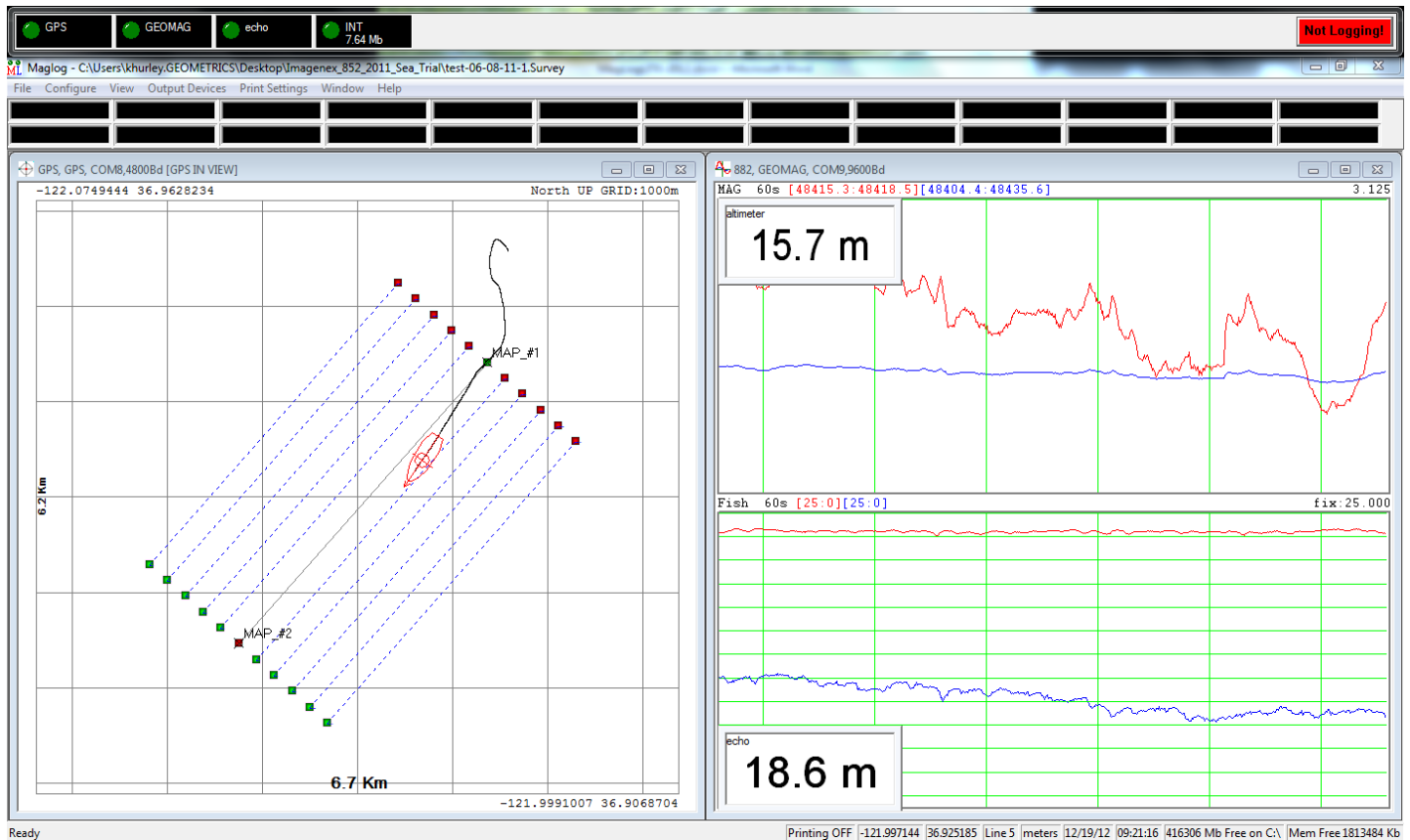


# MagLogLite™ – Data Logger and System Controller



MagLogLite™ multi-paned window format to display data from multiple sensor instruments.

- **Multi-port serial or TCP/IP asynchronous data logging with GPS position for G-880, G-881 and G-882 Marine Magnetometer or Gradiometer Systems.**
- **Designed with a Configuration Wizard for automatic setup of Marine and Vehicle survey operations. Split-screen display allows for easy steering for vehicle pilot.**
- **Mini-window displays provide a flexible representation of data.**
- **Runs on Windows XP, 7, and 8 Multicore Multi-tasking operating systems.**
- **Real-time diagnostics performed on all data inputs, providing audio alarms as immediate feedback if data is not being transmitted, is out of range or fails other quality criteria.**
- **Geometrics offers complete turnkey systems including Cesium Vapor or Proton Precession sensors, tow cables, winches, GPS positioning and steering systems, data acquisition computers and data processing and display software and training.**

MagLogLite™ offers the marine or land survey operator an easy to use yet sophisticated data logging and display controller. MagLogLite™ boasts superior data handling capabilities for logging, displaying and printing multi-channel asynchronous data transmissions. Single sensor or multi-sensor gradiometer arrays with depth, altitude and/or differential GPS track on map overlays are easily configured for storing to disk, display and printing using the new step-by-step Configuration Wizard.

MagLogLite™ provides capability to configure multiple re-sizeable displays or printer channels each with their own horizontal and vertical scale parameters with multiple color coded traces in each window channel. Horizontal or vertical scrolling is available for any input including depth, altimeter or magnetic field displays.

Go-No-Go warning lights at the top of the display alert the operator to any errors or data conditions which exceed user preset levels of min/max or noise components.

A special GPS window is included which shows the real-time position with complete zoom controls and plot of survey track. All serials or position plots are available for output to a PDF file for real-time or post survey hard copy. Digital data is logged to disk and time stamped to an accuracy of 10 ms. MagLogLite™ interpolates the position of each sensor relative to GPS positions, converts to UTM coordinates if required and exports an X,Y,Z or Latitude-Longitude-Magnetometer data file for additional processing and analysis.

MagLogLite makes use of the latest multi-core technology to ensure data integrity. In addition, each sensor is logged independently of the others, so that any difficulty with one sensor transmission will not affect the others.

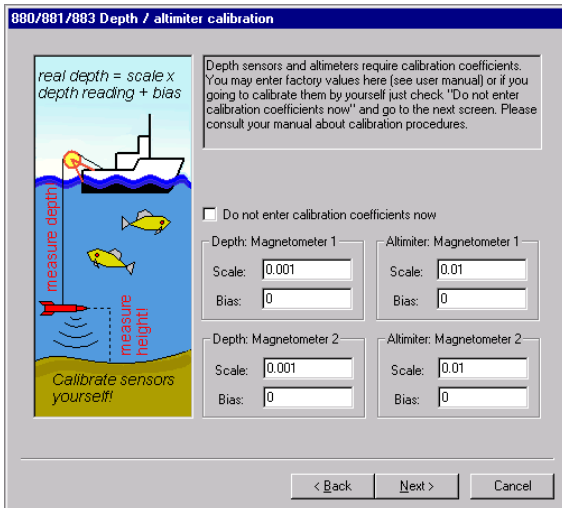
Multiple asynchronous data devices are properly time tagged, interpolated, displayed and recorded to a disk. This means that whether you are logging 1 sensor or 20, or if some sensors are logging at 1 Hz and others at 100 Hz, the system will maintain optimal efficiency and data integrity.

### Constant Updates

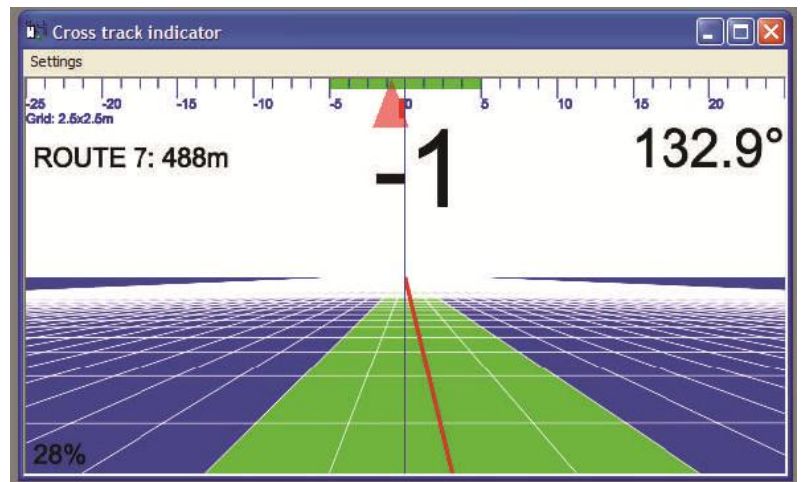
MagLogLite™ is constantly being updated and improved to address customer recommendations and data processing needs. MagLogLite™ has a built-in feature that checks Geometrics FTP site newer release of the program. Whenever you have an internet connection you can easily check and make sure that you are using the latest and greatest version of this software. Also, the latest version of the manual is imbedded into the software as a PDF document that's accessed through the Help utility in the software.

Computer platform for marine or land vehicle applications comprises an industrial grade rack mountable Windows XP, 7 or 8 computer with large capacity hard drive, rack mount Color LCD monitor, special analog and serial interface boards (if required), and built in USB backup drives for offloading and archiving data. Alternate computers may be a customer, or Geometrics supplied, high performance, ruggedized laptop.

MagLogLite™ utilizes a 3D highway steering window for navigating along predefined survey routes. Data logging can be automatically terminated once the vehicle reaches the endpoint of the route. Cross track errors are calculated in real time to relay line deviations so the pilot can actively adjust the heading to return on the line. Users can include an acceptable line offset before an error message appears to inform the pilot to shift back towards the survey route.



*Configuration Wizard makes setup and calibration of depth/altitude easy.*



*Navigation window for course corrections in real time*

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